

ICP Single Element



AccuTrace Documentation includes:

- Tracable to NIST SRM by wet chemical assay and/or ICP, on final solution lot for single element standards, and on solution concentrates for multi-element standards.
- Most AccuTrace ICP, ICP/MS and AA single element standards have 36 month stability dating.
- Certified in our ISO 9001 & ISO 17025 Inorganic QA/QC Laboratory.



ICP Single Element



**3 Year
Shelf Life on
ICP, ICP/MS & AA
Single Element
Standards**

NoHaz Option with Most ICP & AA Single Element Standards



SAVINGS:

- No Hazardous Shipping Fees
- Lower Shipping Costs (less weight)
- Yields More – 500 mL from 20 mL concentrate

CONVENIENCE & ASSURANCE:

- Includes empty pre-washed, pre-labeled HDPE bottle (250 mL for 10,000 µg/mL; 500 mL for 25,000 µg/mL)
- Certificate of Analysis with every product

- AccuTrace Standards are traceable to NIST Reference Materials
- Formulated from Ultra High Purity Starting Materials, Water & Acids
- Concentration verified by Wet Chemical & Instrumental Analysis
- Packaged in specially prepared acid leached bottles
- Actual Lot Analysis provided on label & C of A
- 36 Month Stability Dating

Starting Material Matrix		1000 µg/mL		10,000 µg/mL		NoHaz Size (No Hazardous shipping charge)	
		Cat. No.	Price	Cat. No.	Price	10,000 µg/mL	25,000 µg/mL
Element	Unit					Cat. No.	Cat. No.
Aluminum	20 mL	-----	----	-----	----	ICP-01N-10X-20ML	ICP-01N-25X-20ML
Al(NO ₃) ₃ • 9H ₂ O	50 mL	-----	----	ICP-01N-10X-0.5	----	-----	-----
2-5% Nitric acid	100 mL	ICP-01N-1	----	ICP-01N-10X-1	----	-----	-----
	500 mL	ICP-01N-5	----	ICP-01N-10X-5	----	-----	-----
Antimony	20 mL	-----	----	-----	----	ICP-02N-10X-20ML	-----
Sb	50 mL	-----	----	ICP-02N-10X-0.5	----	-----	-----
Dilute HNO ₃ tr	100 mL	ICP-02N-1	----	ICP-02N-10X-1	----	-----	-----
Tartaric acid	500 mL	ICP-02N-5	----	ICP-02N-10X-5	----	-----	-----
Arsenic	20 mL	-----	----	-----	----	ICP-03N-10X-20ML	ICP-03N-25X-20ML
As	50 mL	-----	----	ICP-03N-10X-0.5	----	-----	-----
2-5% Nitric acid	100 mL	ICP-03N-1	----	ICP-03N-10X-1	----	-----	-----
	500 mL	ICP-03N-5	----	ICP-03N-10X-5	----	-----	-----
Barium	20 mL	-----	----	-----	----	ICP-04N-10X-20ML	ICP-04N-25X-20ML
Ba(NO ₃) ₂	50 mL	-----	----	ICP-04N-10X-0.5	----	-----	-----
2-5% Nitric acid	100 mL	ICP-04N-1	----	ICP-04N-10X-1	----	-----	-----
	500 mL	ICP-04N-5	----	ICP-04N-10X-5	----	-----	-----
Beryllium	20 mL	-----	----	-----	----	ICP-05N-10X-20ML	-----
BeO(C ₂ H ₂ O ₂) ₆	50 mL	-----	----	ICP-05N-10X-0.5	----	-----	-----
2-5% Nitric acid	100 mL	ICP-05N-1	----	ICP-05N-10X-1	----	-----	-----
	500 mL	ICP-05N-5	----	ICP-05N-10X-5	----	-----	-----
Bismuth	20 mL	-----	----	-----	----	ICP-06N-10X-20ML	ICP-06N-25X-20ML
Bi	50 mL	-----	----	ICP-06N-10X-0.5	----	-----	-----
2-5% Nitric acid	100 mL	ICP-06N-1	----	ICP-06N-10X-1	----	-----	-----
	500 mL	ICP-06N-5	----	ICP-06N-10X-5	----	-----	-----
Boron	20 mL	-----	----	-----	----	ICP-07W-10X-20ML	-----
H ₂ BO ₃	50 mL	-----	----	ICP-07W-10X-0.5 *	----	-----	-----
Water tr. NH ₄ OH	100 mL	ICP-07W-1 *	----	ICP-07W-10X-1 *	----	-----	-----
	500 mL	ICP-07W-5 *	----	ICP-07W-10X-5 *	----	-----	-----

These products require a Hazardous Shipping Fee, except the "NoHaz™" products in the right columns, and products marked with an asterisk *

Single Element ICP Standards continued on next page

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Starting Material Matrix				NoHaz Size (No Hazardous shipping charge)	
		1000 µg/mL	10,000 µg/mL	10,000 µg/mL	25,000 µg/mL
Element	Unit	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Cadmium	20 mL	-----	-----	ICP-08N-10X-20ML	ICP-08N-25X-20ML
Cd	50 mL	-----	ICP-08N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-08N-1	ICP-08N-10X-1	-----	-----
	500 mL	ICP-08N-5	ICP-08N-10X-5	-----	-----
Calcium	20 mL	-----	-----	ICP-09N-10X-20ML	ICP-09N-25X-20ML
CaCO ₃	50 mL	-----	ICP-09N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-09N-1	ICP-09N-10X-1	-----	-----
	500 mL	ICP-09N-5	ICP-09N-10X-5	-----	-----
Cerium	20 mL	-----	-----	ICP-11N-10X-20ML	ICP-11N-25X-20ML
Ce(NO ₃) ₃	50 mL	-----	ICP-11N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-11N-1	ICP-11N-10X-1	-----	-----
	500 mL	ICP-11N-5	ICP-11N-10X-5	-----	-----
Cesium	20 mL	-----	-----	ICP-12N-10X-20ML	ICP-12N-25X-20ML
CsNO ₃	50 mL	-----	ICP-12N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-12N-1	ICP-12N-10X-1	-----	-----
	500 mL	ICP-12N-5	ICP-12N-10X-5	-----	-----
Chromium	20 mL	-----	-----	ICP-13N-10X-20ML	ICP-13N-25X-20ML
reduced to (+3) state	50 mL	-----	ICP-13N-10X-0.5	-----	-----
(NH ₄) ₂ Cr ₂ O ₇	100 mL	ICP-13N-1	ICP-13N-10X-1	-----	-----
2-5% Nitric acid	500 mL	ICP-13N-5	ICP-13N-10X-5	-----	-----
Cobalt	20 mL	-----	-----	ICP-14N-10X-20ML	ICP-14N-25X-20ML
Co	50 mL	-----	ICP-14N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-14N-1	ICP-14N-10X-1	-----	-----
	500 mL	ICP-14N-5	ICP-14N-10X-5	-----	-----
Copper	20 mL	-----	-----	ICP-15N-10X-20ML	ICP-15N-25X-20ML
Cu	50 mL	-----	ICP-15N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-15N-1	ICP-15N-10X-1	-----	-----
	500 mL	ICP-15N-5	ICP-15N-10X-5	-----	-----
Dysprosium	20 mL	-----	-----	ICP-16N-10X-20ML	ICP-16N-25X-20ML
Dy ₂ O ₃	50 mL	-----	ICP-16N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-16N-1	ICP-16N-10X-1	-----	-----
	500 mL	ICP-16N-5	ICP-16N-10X-5	-----	-----
Erbium	20 mL	-----	-----	ICP-17N-10X-20ML	ICP-17N-25X-20ML
Er ₂ O ₃	50 mL	-----	ICP-17N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-17N-1	ICP-17N-10X-1	-----	-----
	500 mL	ICP-17N-5	ICP-17N-10X-5	-----	-----
Europium	20 mL	-----	-----	ICP-18N-10X-20ML	ICP-18N-25X-20ML
Eu ₂ O ₃	50 mL	-----	ICP-18N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-18N-1	ICP-18N-10X-1	-----	-----
	500 mL	ICP-18N-5	ICP-18N-10X-5	-----	-----
Gadolinium	20 mL	-----	-----	ICP-19N-10X-20ML	ICP-19N-25X-20ML
Gd ₂ O ₃	50 mL	-----	ICP-19N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-19N-1	ICP-19N-10X-1	-----	-----
	500 mL	ICP-19N-5	ICP-19N-10X-5	-----	-----
Gallium	20 mL	-----	-----	ICP-20N-10X-20ML	-----
Ga	50 mL	-----	ICP-20N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-20N-1	ICP-20N-10X-1	-----	-----
	500 mL	ICP-20N-5	ICP-20N-10X-5	-----	-----
Germanium	20 mL	-----	-----	ICP-21W-10X-20ML	-----
(NH ₄) ₂ GeF ₆	50 mL	-----	ICP-21W-10X-0.5 *	-----	-----
Water tr. HF	100 mL	ICP-21W-1 *	ICP-21W-10X-1 *	-----	-----
	500 mL	ICP-21W-5 *	ICP-21W-10X-5 *	-----	-----
Gold	20 mL	-----	-----	ICP-22H-10X-20ML	ICP-22H-25X-20ML
Au	50 mL	-----	ICP-22H-10X-0.5	-----	-----
10% HCl (min.)	100 mL	ICP-22H-1	ICP-22H-10X-1	-----	-----
	500 mL	ICP-22H-5	ICP-22H-10X-5	-----	-----
Hafnium	20 mL	-----	-----	ICP-23N-10X-20ML	ICP-23N-25X-20ML
HfO ₂	50 mL	-----	ICP-23N-10X-0.5	-----	-----
2-5% Nitric acid tr. HF	100 mL	ICP-23N-1	ICP-23N-10X-1	-----	-----
	500 mL	ICP-23N-5	ICP-23N-10X-5	-----	-----
Holmium	20 mL	-----	-----	ICP-24N-10X-20ML	ICP-24N-25X-20ML
Ho ₂ O ₃	50 mL	-----	ICP-24N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-24N-1	ICP-24N-10X-1	-----	-----
	500 mL	ICP-24N-5	ICP-24N-10X-5	-----	-----
Indium	20 mL	-----	-----	ICP-25N-10X-20ML	ICP-25N-25X-20ML
In	50 mL	-----	ICP-25N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-25N-1	ICP-25N-10X-1	-----	-----
	500 mL	ICP-25N-5	ICP-25N-10X-5	-----	-----

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Starting Material Matrix				NoHaz Size (No Hazardous shipping charge)	
		1000 µg/mL	10,000 µg/mL	10,000 µg/mL	25,000 µg/mL
Element	Unit	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Iridium	20 mL	-----	----	----	----
IrCl ₃ • 3H ₂ O	50 mL	-----	ICP-26H-10X-0.5	ICP-26H-10X-20ML	ICP-26H-25X-20ML
10% HCl (min.)	100 mL	ICP-26H-1	ICP-26H-10X-1	-----	-----
	500 mL	ICP-26H-5	ICP-26H-10X-5	-----	-----
Iron	20 mL	-----	----	----	----
Fe	50 mL	-----	ICP-27N-10X-0.5	ICP-27N-10X-20ML	ICP-27N-25X-20ML
2-5% Nitric acid	100 mL	ICP-27N-1	ICP-27N-10X-1	-----	-----
	500 mL	ICP-27N-5	ICP-27N-10X-5	-----	-----
Lanthanum	20 mL	-----	----	----	----
La ₂ O ₃	50 mL	-----	ICP-28N-10X-0.5	ICP-28N-10X-20ML	ICP-28N-25X-20ML
2-5% Nitric acid	100 mL	ICP-28N-1	ICP-28N-10X-1	-----	-----
	500 mL	ICP-28N-5	ICP-28N-10X-5	-----	-----
Lead	20 mL	-----	----	----	----
Pb(NO ₃) ₂	50 mL	-----	ICP-29N-10X-0.5	ICP-29N-10X-20ML	ICP-29N-25X-20ML
2-5% Nitric acid	100 mL	ICP-29N-1	ICP-29N-10X-1	-----	-----
	500 mL	ICP-29N-5	ICP-29N-10X-5	-----	-----
Lithium	20 mL	-----	----	----	----
Li ₂ CO ₃	50 mL	-----	ICP-30N-10X-0.5	ICP-30N-10X-20ML	ICP-30N-25X-20ML
2-5% Nitric acid	100 mL	ICP-30N-1	ICP-30N-10X-1	-----	-----
	500 mL	ICP-30N-5	ICP-30N-10X-5	-----	-----
Lutetium	20 mL	-----	----	----	----
Lu ₂ O ₃	50 mL	-----	ICP-31N-10X-0.5	ICP-31N-10X-20ML	ICP-31N-25X-20ML
2-5% Nitric acid	100 mL	ICP-31N-1	ICP-31N-10X-1	-----	-----
	500 mL	ICP-31N-5	ICP-31N-10X-5	-----	-----
Magnesium	20 mL	-----	----	----	----
MgO	50 mL	-----	ICP-32N-10X-0.5	ICP-32N-10X-20ML	ICP-32N-25X-20ML
2-5% Nitric acid	100 mL	ICP-32N-1	ICP-32N-10X-1	-----	-----
	500 mL	ICP-32N-5	ICP-32N-10X-5	-----	-----
Manganese	20 mL	-----	----	----	----
Mn(C ₂ H ₃ O ₂) ₂	50 mL	-----	ICP-33N-10X-0.5	ICP-33N-10X-20ML	ICP-33N-25X-20ML
2-5% Nitric acid	100 mL	ICP-33N-1	ICP-33N-10X-1	-----	-----
	500 mL	ICP-33N-5	ICP-33N-10X-5	-----	-----
Mercury	20 mL	-----	----	----	----
Hg	50 mL	-----	ICP-34N-10X-0.5	ICP-34N-10X-20ML	ICP-34N-25X-20ML
10% Nitric acid	100 mL	ICP-34N-1	ICP-34N-10X-1	-----	-----
	500 mL	ICP-34N-5	ICP-34N-10X-5	-----	-----
Molybdenum	20 mL	-----	----	----	----
(NH ₄) ₂ MoO ₄	50 mL	-----	ICP-35W-10X-0.5 *	ICP-35W-10X-20ML	ICP-35W-25X-20ML
Water tr. NH ₄ OH	100 mL	ICP-35W-1 *	ICP-35W-10X-1 *	-----	-----
	500 mL	ICP-35W-5 *	ICP-35W-10X-5 *	-----	-----
Neodymium	20 mL	-----	----	----	----
Nd ₂ O ₃	50 mL	-----	ICP-36N-10X-0.5	ICP-36N-10X-20ML	ICP-36N-25X-20ML
2-5% Nitric acid	100 mL	ICP-36N-1	ICP-36N-10X-1	-----	-----
	500 mL	ICP-36N-5	ICP-36N-10X-5	-----	-----
Nickel	20 mL	-----	----	----	----
Ni	50 mL	-----	ICP-37N-10X-0.5	ICP-37N-10X-20ML	ICP-37N-25X-20ML
2-5% Nitric acid	100 mL	ICP-37N-1	ICP-37N-10X-1	-----	-----
	500 mL	ICP-37N-5	ICP-37N-10X-5	-----	-----
Niobium	20 mL	-----	----	----	----
Nb ₂ O ₅	50 mL	-----	ICP-38W-10X-0.5 *	ICP-38W-10X-20ML	ICP-38W-25X-20ML
Water tr. HF	100 mL	ICP-38W-1 *	ICP-38W-10X-1 *	-----	-----
	500 mL	ICP-38W-5 *	ICP-38W-10X-5 *	-----	-----
Palladium	20 mL	-----	----	----	----
Pd	50 mL	-----	ICP-40H-10X-0.5	ICP-40H-10X-20ML	ICP-40H-25X-20ML
10% HCl (min.)	100 mL	ICP-40H-1	ICP-40H-10X-1	-----	-----
	500 mL	ICP-40H-5	ICP-40H-10X-5	-----	-----
Phosphorus	20 mL	-----	----	----	----
NH ₄ H ₂ PO ₄	50 mL	-----	ICP-41W-10X-0.5 *	ICP-41W-10X-20ML	-----
Water	100 mL	ICP-41W-1 *	ICP-41W-10X-1 *	-----	-----
	500 mL	ICP-41W-5 *	ICP-41W-10X-5 *	-----	-----
Platinum	20 mL	-----	----	----	----
Pt	50 mL	-----	ICP-42H-10X-0.5	ICP-42H-10X-20ML	ICP-42H-25X-20ML
10% HCl (min.)	100 mL	ICP-42H-1	ICP-42H-10X-1	-----	-----
	500 mL	ICP-42H-5	ICP-42H-10X-5	-----	-----
Potassium	20 mL	-----	----	----	----
KNO ₃	50 mL	-----	ICP-43N-10X-0.5	ICP-43N-10X-20ML	ICP-43N-25X-20ML
2-5% Nitric acid	100 mL	ICP-43N-1	ICP-43N-10X-1	-----	-----
	500 mL	ICP-43N-5	ICP-43N-10X-5	-----	-----
Praseodymium	20 mL	-----	----	----	----
Pr ₆ O ₁₁	50 mL	-----	ICP-44N-10X-0.5	ICP-44N-10X-20ML	ICP-44N-25X-20ML
2-5% Nitric acid	100 mL	ICP-44N-1	ICP-44N-10X-1	-----	-----
	500 mL	ICP-44N-5	ICP-44N-10X-5	-----	-----

Single Element ICP Standards continued on next page

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		1000 µg/mL	10,000 µg/mL	10,000 µg/mL	25,000 µg/mL
Element	Unit	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Rhenium	20 mL	-----	-----	ICP-45W-10X-20ML	ICP-45W-25X-20ML
Re	50 mL	-----	ICP-45W-10X-0.5 *	-----	-----
Water	100 mL	ICP-45W-1 *	ICP-45W-10X-1 *	-----	-----
	500 mL	ICP-45W-5 *	ICP-45W-10X-5 *	-----	-----
Rhodium	20 mL	-----	-----	ICP-46H-10X-20ML	ICP-46H-25X-20ML
RhCl ₃ • 3H ₂ O	50 mL	-----	ICP-46H-10X-0.5	-----	-----
10% HCl (min.)	100 mL	ICP-46H-1	ICP-46H-10X-1	-----	-----
	500 mL	ICP-46H-5	ICP-46H-10X-5	-----	-----
Rubidium	20 mL	-----	-----	ICP-47N-10X-20ML	ICP-47N-25X-20ML
RbNO ₃	50 mL	-----	ICP-47N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-47N-1	ICP-47N-10X-1	-----	-----
	500 mL	ICP-47N-5	ICP-47N-10X-5	-----	-----
Ruthenium	20 mL	-----	-----	ICP-48H-10X-20ML	ICP-48H-25X-20ML
RuCl ₃ • 3H ₂ O	50 mL	-----	ICP-48H-10X-0.5	-----	-----
10% HCl	100 mL	ICP-48H-1	ICP-48H-10X-1	-----	-----
	500 mL	ICP-48H-5	ICP-48H-10X-5	-----	-----
Samarium	20 mL	-----	-----	ICP-49N-10X-20ML	ICP-49N-25X-20ML
Sm ₂ O ₃	50 mL	-----	ICP-49N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-49N-1	ICP-49N-10X-1	-----	-----
	500 mL	ICP-49N-5	ICP-49N-10X-5	-----	-----
Scandium	20 mL	-----	-----	ICP-50N-10X-20ML	ICP-50N-25X-20ML
Sc ₂ O ₃	50 mL	-----	ICP-50N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-50N-1	ICP-50N-10X-1	-----	-----
	500 mL	ICP-50N-5	ICP-50N-10X-5	-----	-----
Selenium	20 mL	-----	-----	ICP-51N-10X-20ML	ICP-51N-25X-20ML
Se	50 mL	-----	ICP-51N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-51N-1	ICP-51N-10X-1	-----	-----
	500 mL	ICP-51N-5	ICP-51N-10X-5	-----	-----
Silicon	20 mL	-----	-----	ICP-52W-10X-20ML	-----
(NH ₄) ₂ SiF ₆	50 mL	-----	ICP-52W-10X-0.5 *	-----	-----
Water tr. HF	100 mL	ICP-52W-1 *	ICP-52W-10X-1 *	-----	-----
	500 mL	ICP-52W-5 *	ICP-52W-10X-5 *	-----	-----
Silver	20 mL	-----	-----	ICP-53N-10X-20ML	ICP-53N-25X-20ML
AgNO ₃	50 mL	-----	ICP-53N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-53N-1	ICP-53N-10X-1	-----	-----
	500 mL	ICP-53N-5	ICP-53N-10X-5	-----	-----
Sodium	20 mL	-----	-----	ICP-54N-10X-20ML	ICP-54N-25X-20ML
NaNO ₃	50 mL	-----	ICP-54N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-54N-1	ICP-54N-10X-1	-----	-----
	500 mL	ICP-54N-5	ICP-54N-10X-5	-----	-----
Strontium	20 mL	-----	-----	ICP-55N-10X-20ML	ICP-55N-25X-20ML
Sr(NO ₃) ₂	50 mL	-----	ICP-55N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-55N-1	ICP-55N-10X-1	-----	-----
	500 mL	ICP-55N-5	ICP-55N-10X-5	-----	-----
Sulfur	20 mL	-----	-----	ICP-56W-10X-20ML	ICP-56W-25X-20ML
(NH ₄) ₂ SO ₄	50 mL	-----	ICP-56W-10X-0.5 *	-----	-----
Water	100 mL	ICP-56W-1 *	ICP-56W-10X-1 *	-----	-----
	500 mL	ICP-56W-5 *	ICP-56W-10X-5 *	-----	-----
Tantalum	20 mL	-----	-----	ICP-57W-10X-20ML	ICP-57W-25X-20ML
Ta	50 mL	-----	ICP-57W-10X-0.5 *	-----	-----
Water tr. HF	100 mL	ICP-57W-1 *	ICP-57W-10X-1 *	-----	-----
	500 mL	ICP-57W-5 *	ICP-57W-10X-5 *	-----	-----
Tellurium	20 mL	-----	-----	ICP-58H-10X-20ML	-----
Te	50 mL	-----	ICP-58H-10X-0.5	-----	-----
10% HCl (min.)	100 mL	ICP-58H-1	ICP-58H-10X-1	-----	-----
	500 mL	ICP-58H-5	ICP-58H-10X-5	-----	-----
Terbium	20 mL	-----	-----	ICP-59N-10X-20ML	ICP-59N-25X-20ML
Tb ₂ O ₃	50 mL	-----	ICP-59N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-59N-1	ICP-59N-10X-1	-----	-----
	500 mL	ICP-59N-5	ICP-59N-10X-5	-----	-----
Thallium	20 mL	-----	-----	ICP-60N-10X-20ML	ICP-60N-25X-20ML
Tl	50 mL	-----	ICP-60N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-60N-1	ICP-60N-10X-1	-----	-----
	500 mL	ICP-60N-5	ICP-60N-10X-5	-----	-----
Thorium	100 mL	ICP-61N-1	-----	-----	-----
Th(NO ₃) ₄ • 4H ₂ O	500 mL	ICP-61N-5	-----	-----	-----
2-5% Nitric acid		-----	-----	-----	-----

These products require a Hazardous Shipping Fee, except the "NoHaz™" products in the right columns, and products marked with an asterisk *

ICP

Single Element & Matrix Blanks



ICP Single Element

Starting Material Matrix				NoHaz Size (No Hazardous shipping charge)	
		1000 µg/mL	10,000 µg/mL	10,000 µg/mL	25,000 µg/mL
Element	Unit	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Thulium	20 mL	----	----	ICP-62N-10X-20ML	ICP-62N-25X-20ML
Tm ₂ O ₃	50 mL	-----	ICP-62N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-62N-1	ICP-62N-10X-1	-----	-----
	500 mL	ICP-62N-5	ICP-62N-10X-5	-----	-----
Tin		----	----	ICP-63N-10X-20ML	ICP-63N-25X-20ML
Sn	50 mL	-----	ICP-63N-10X-0.5	-----	-----
2-5% Nitric acid tr. HF	100 mL	ICP-63N-1	ICP-63N-10X-1	-----	-----
	500 mL	ICP-63N-5	ICP-63N-10X-5	-----	-----
Titanium	20 mL	----	----	ICP-64W-10X-20ML	-----
(NH ₄) ₂ TiF ₆	50 mL	-----	ICP-64W-10X-0.5 *	-----	-----
Water tr. HF	100 mL	ICP-64W-1 *	ICP-64W-10X-1 *	-----	-----
	500 mL	ICP-64W-5 *	ICP-64W-10X-5 *	-----	-----
Tungsten	20 mL	----	----	ICP-65W-10X-20ML	-----
(NH ₄) ₂ WO ₄	50 mL	-----	ICP-65W-10X-0.5 *	-----	-----
Water tr. NH ₄ OH	100 mL	ICP-65W-1 *	ICP-65W-10X-1 *	-----	-----
	500 mL	ICP-65W-5 *	ICP-65W-10X-5 *	-----	-----
Uranium	100 mL	ICP-66N-1	-----	-----	-----
U ₃ O ₈	500 mL	ICP-66N-5	-----	-----	-----
2-5% Nitric acid		-----	-----	-----	-----
Vanadium	20 mL	----	----	ICP-67N-10X-20ML	ICP-67N-25X-20ML
NH ₄ VO ₃	50 mL	-----	ICP-67N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-67N-1	ICP-67N-10X-1	-----	-----
	500 mL	ICP-67N-5	ICP-67N-10X-5	-----	-----
Ytterbium	20 mL	----	----	ICP-68N-10X-20ML	ICP-68N-25X-20ML
Yb ₂ O ₃	50 mL	-----	ICP-68N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-68N-1	ICP-68N-10X-1	-----	-----
	500 mL	ICP-68N-5	ICP-68N-10X-5	-----	-----
Yttrium	20 mL	----	----	ICP-69N-10X-20ML	ICP-69N-25X-20ML
Y ₂ O ₃	50 mL	-----	ICP-69N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-69N-1	ICP-69N-10X-1	-----	-----
	500 mL	ICP-69N-5	ICP-69N-10X-5	-----	-----
Zinc	20 mL	----	----	ICP-70N-10X-20ML	ICP-70N-25X-20ML
Zn	50 mL	-----	ICP-70N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-70N-1	ICP-70N-10X-1	-----	-----
	500 mL	ICP-70N-5	ICP-70N-10X-5	-----	-----
Zirconium	20 mL	----	----	ICP-71N-10X-20ML	ICP-71N-25X-20ML
ZrO(NO ₃) ₂	50 mL	-----	ICP-71N-10X-0.5	-----	-----
2-5% Nitric acid	100 mL	ICP-71N-1	ICP-71N-10X-1	-----	-----
	500 mL	ICP-71N-5	ICP-71N-10X-5	-----	-----

3 Year
Shelf Life on
ICP, ICP/MS & AA
Single Element
Standards

Calibration and Matrix Blanks

Nitric Acid Blank

CLP-BLN-5 500 mL
CLP-BLN-L-SET 1L
 (2 x 500 mL)

5% HNO₃ in ASTM Type I Water

Hydrochloric Acid Blank

CLP-BLH-5 500 mL
CLP-BLH-L-SET 1L
 (2 x 500 mL)

5% HCl in ASTM Type I Water

Mixed Acid Blank

CLP-BLMA-5 500 mL
CLP-BLMA-L-SET 1L
 (2 x 500 mL)

5% HCl + 1% HNO₃ in
ASTM Type I Water

Water Blank

CLP-BLW-5 * 500 mL
CLP-BLW-L-SET * 1L
 (2 x 500 mL)

ASTM Type I Water

ICP/MS Single Element

ICP/MS Single Element

AccuStandard's ICP/MS Standards are formulated to meet the needs of this very special instrument. As matrix effect is of utmost concern, each standard is formulated in specially purified de-ionized 18 megohm water and Parts per Trillion acids; after both wet chemical and instrumental analysis, the standards are packaged in acid leached FLPE containers to provide required protection and, of course, all standards are traceable to the National Institute of Standards and Technology (NIST) weights and Reference Materials.

- Ultra Pure Matrix
- Traceable to NIST Reference Materials
- Special Packaging

Element	Matrix	Unit	100 µg/mL Cat. No.	1,000 µg/mL Cat. No.	10,000 µg/mL Cat. No.
Al (Aluminium)	2% HNO ₃	100 mL	ICP-MS-01N-0.01X-1	ICP-MS-01N-0.1X-1	ICP-MS-01N-1
Sb (Antimony)	2% HNO ₃	100 mL	ICP-MS-02N-0.01X-1	ICP-MS-02N-0.1X-1	ICP-MS-02N-1
As (Arsenic)	2% HNO ₃	100 mL	ICP-MS-03N-0.01X-1	ICP-MS-03N-0.1X-1	ICP-MS-03N-1
Ba (Barium)	2% HNO ₃	100 mL	ICP-MS-04N-0.01X-1	ICP-MS-04N-0.1X-1	ICP-MS-04N-1
Be (Beryllium)	2% HNO ₃	100 mL	ICP-MS-05N-0.01X-1	ICP-MS-05N-0.1X-1	ICP-MS-05N-1
Bi (Bismuth)	2% HNO ₃	100 mL	ICP-MS-06N-0.01X-1	ICP-MS-06N-0.1X-1	ICP-MS-06N-1
B (Boron) NEW	H ₂ O tr. NH ₄ OH	100 mL	ICP-MS-07W-0.01X-1 *	ICP-MS-07W-0.1X-1 *	ICP-MS-07W-1 *
Cd (Cadmium)	2% HNO ₃	100 mL	ICP-MS-08N-0.01X-1	ICP-MS-08N-0.1X-1	ICP-MS-08N-1
Ca (Calcium)	2% HNO ₃	100 mL	ICP-MS-09N-0.01X-1	ICP-MS-09N-0.1X-1	ICP-MS-09N-1
Ce (Cerium) NEW	2% HNO ₃	100 mL	ICP-MS-11N-0.01X-1	ICP-MS-11N-0.1X-1	ICP-MS-11N-1
Cs (Cesium) NEW	2% HNO ₃	100 mL	ICP-MS-12N-0.01X-1	ICP-MS-12N-0.1X-1	ICP-MS-12N-1
Cr (Chromium)	2% HNO ₃	100 mL	ICP-MS-13N-0.01X-1	ICP-MS-13N-0.1X-1	ICP-MS-13N-1
Co (Cobalt)	2% HNO ₃	100 mL	ICP-MS-14N-0.01X-1	ICP-MS-14N-0.1X-1	ICP-MS-14N-1
Cu (Copper)	2% HNO ₃	100 mL	ICP-MS-15N-0.01X-1	ICP-MS-15N-0.1X-1	ICP-MS-15N-1
Dy (Dysprosium) NEW	2% HNO ₃	100 mL	ICP-MS-16N-0.01X-1	ICP-MS-16N-0.1X-1	ICP-MS-16N-1
Er (Erbium) NEW	2% HNO ₃	100 mL	ICP-MS-17N-0.01X-1	ICP-MS-17N-0.1X-1	ICP-MS-17N-1
Eu (Europium) NEW	2% HNO ₃	100 mL	ICP-MS-18N-0.01X-1	ICP-MS-18N-0.1X-1	ICP-MS-18N-1
Gd (Gadolinium) NEW	2% HNO ₃	100 mL	ICP-MS-19N-0.01X-1	ICP-MS-19N-0.1X-1	ICP-MS-19N-1
Ga (Gallium) NEW	2% HNO ₃	100 mL	ICP-MS-20N-0.01X-1	ICP-MS-20N-0.1X-1	ICP-MS-20N-1
Ge (Germanium)	H ₂ O tr. HF	100 mL	ICP-MS-21W-0.01X-1 *	ICP-MS-21W-0.1X-1 *	ICP-MS-21W-1 *
Au (Gold)	10% HCl	100 mL	ICP-MS-22H-0.01X-1	ICP-MS-22H-0.1X-1	ICP-MS-22H-1
Hf (Hafnium) NEW	2% HNO ₃ tr. HF	100 mL	ICP-MS-23N-0.01X-1	ICP-MS-23N-0.1X-1	ICP-MS-23N-1
Ho (Holmium) NEW	2% HNO ₃	100 mL	ICP-MS-24N-0.01X-1	ICP-MS-24N-0.1X-1	ICP-MS-24N-1
In (Indium)	2% HNO ₃	100 mL	ICP-MS-25N-0.01X-1	ICP-MS-25N-0.1X-1	ICP-MS-25N-1
Ir (Iridium) NEW	10% HCl	100 mL	ICP-MS-26H-0.01X-1	ICP-MS-26H-0.1X-1	ICP-MS-26H-1
Fe (Iron)	5% HNO ₃	100 mL	ICP-MS-27N-0.01X-1	ICP-MS-27N-0.1X-1	ICP-MS-27N-1
La (Lanthanum) NEW	2% HNO ₃	100 mL	ICP-MS-28N-0.01X-1	ICP-MS-28N-0.1X-1	ICP-MS-28N-1
Pb (Lead)	2% HNO ₃	100 mL	ICP-MS-29N-0.01X-1	ICP-MS-29N-0.1X-1	ICP-MS-29N-1
Li (Lithium)	2% HNO ₃	100 mL	ICP-MS-30N-0.01X-1	ICP-MS-30N-0.1X-1	ICP-MS-30N-1
Lu (Lutetium) NEW	2% HNO ₃	100 mL	ICP-MS-31N-0.01X-1	ICP-MS-31N-0.1X-1	ICP-MS-31N-1
Mg (Magnesium)	2% HNO ₃	100 mL	ICP-MS-32N-0.01X-1	ICP-MS-32N-0.1X-1	ICP-MS-32N-1
Mn (Manganese)	2% HNO ₃	100 mL	ICP-MS-33N-0.01X-1	ICP-MS-33N-0.1X-1	ICP-MS-33N-1
Hg (Mercury)	10% HNO ₃	100 mL	ICP-MS-34N-0.01X-1	ICP-MS-34N-0.1X-1	ICP-MS-34N-1
Mo (Molybdenum)	H ₂ O tr. NH ₄ OH	100 mL	ICP-MS-35W-0.01X-1 *	ICP-MS-35W-0.1X-1 *	ICP-MS-35W-1 *
Nd (Neodymium) NEW	2% HNO ₃	100 mL	ICP-MS-36N-0.01X-1	ICP-MS-36N-0.1X-1	ICP-MS-36N-1
Ni (Nickel)	2% HNO ₃	100 mL	ICP-MS-37N-0.01X-1	ICP-MS-37N-0.1X-1	ICP-MS-37N-1
Nb (Niobium) NEW	H ₂ O tr. HF	100 mL	ICP-MS-38W-0.01X-1 *	ICP-MS-38W-0.1X-1 *	ICP-MS-38W-1 *
Pd (Palladium) NEW	10% HCl	100 mL	ICP-MS-40H-0.01X-1	ICP-MS-40H-0.1X-1	ICP-MS-40H-1
P (Phosphorus)	H ₂ O	100 mL	ICP-MS-41W-0.01X-1 *	ICP-MS-41W-0.1X-1 *	ICP-MS-41W-1 *
Pt (Platinum) NEW	10% HCl	100 mL	ICP-MS-42H-0.01X-1	ICP-MS-42H-0.1X-1	ICP-MS-42H-1
K (Potassium)	2% HNO ₃	100 mL	ICP-MS-43N-0.01X-1	ICP-MS-43N-0.1X-1	ICP-MS-43N-1
Pr (Praseodymium) NEW	2% HNO ₃	100 mL	ICP-MS-44N-0.01X-1	ICP-MS-44N-0.1X-1	ICP-MS-44N-1
Re (Rhenium) NEW	H ₂ O tr. HNO ₃	100 mL	ICP-MS-45W-0.01X-1 *	ICP-MS-45W-0.1X-1 *	ICP-MS-45W-1 *
Rh (Rhodium)	10% HCl	100 mL	ICP-MS-46H-0.01X-1	ICP-MS-46H-0.1X-1	ICP-MS-46H-1
Rb (Rubidium) NEW	2% HNO ₃	100 mL	ICP-MS-47N-0.01X-1	ICP-MS-47N-0.1X-1	ICP-MS-47N-1
Ru (Ruthenium) NEW	10% HCl	100 mL	ICP-MS-48H-0.01X-1	ICP-MS-48H-0.1X-1	ICP-MS-48H-1
Sm (Samarium) NEW	2% HNO ₃	100 mL	ICP-MS-49N-0.01X-1	ICP-MS-49N-0.1X-1	ICP-MS-49N-1
Sc (Scandium)	2% HNO ₃	100 mL	ICP-MS-50N-0.01X-1	ICP-MS-50N-0.1X-1	ICP-MS-50N-1
Se (Selenium)	2% HNO ₃	100 mL	ICP-MS-51N-0.01X-1	ICP-MS-51N-0.1X-1	ICP-MS-51N-1
Si (Silicon) NEW	H ₂ O tr. HF	100 mL	ICP-MS-52W-0.01X-1 *	ICP-MS-52W-0.1X-1 *	ICP-MS-52W-1 *
Ag (Silver)	2% HNO ₃	100 mL	ICP-MS-53N-0.01X-1	ICP-MS-53N-0.1X-1	ICP-MS-53N-1
Na (Sodium)	2% HNO ₃	100 mL	ICP-MS-54N-0.01X-1	ICP-MS-54N-0.1X-1	ICP-MS-54N-1
Sr (Strontium)	2% HNO ₃	100 mL	ICP-MS-55N-0.01X-1	ICP-MS-55N-0.1X-1	ICP-MS-55N-1

These products require a Hazardous Shipping Fee, except products marked with an asterisk *

ICP/MS Single Element



Element	Matrix	Unit	100 µg/mL	1,000 µg/mL	10,000 µg/mL
			Cat. No.	Cat. No.	Cat. No.
S (Sulphur)	H ₂ O	100 mL	ICP-MS-56W-0.01X-1 *	ICP-MS-56W-0.1X-1 *	ICP-MS-56W-1 *
Ta (Tantalum) NEW	H ₂ O tr. HF	100 mL	ICP-MS-57W-0.01X-1 *	ICP-MS-57W-0.1X-1 *	ICP-MS-57W-1 *
Te (Tellurium) NEW	20% HCl	100 mL	ICP-MS-58H-0.01X-1	ICP-MS-58H-0.1X-1	ICP-MS-58H-1
Tb (Terbium)	2% HNO ₃	100 mL	ICP-MS-59N-0.01X-1	ICP-MS-59N-0.1X-1	ICP-MS-59N-1
Tl (Thallium)	2% HNO ₃	100 mL	ICP-MS-60N-0.01X-1	ICP-MS-60N-0.1X-1	ICP-MS-60N-1
Th (Thorium)	2% HNO ₃	100 mL	ICP-MS-61N-0.01X-1	ICP-MS-61N-0.1X-1	
Tm (Thulium) NEW	2% HNO ₃	100 mL	ICP-MS-62N-0.01X-1	ICP-MS-62N-0.1X-1	ICP-MS-62N-1
Sn (Tin)	2% HNO ₃ tr. HF	100 mL	ICP-MS-63N-0.01X-1	ICP-MS-63N-0.1X-1	ICP-MS-63N-1
Ti (Titanium)	H ₂ O tr. HF	100 mL	ICP-MS-64W-0.01X-1 *	ICP-MS-64W-0.1X-1 *	ICP-MS-64W-1 *
W (Tungsten) NEW	H ₂ O tr. NH ₄ OH	100 mL	ICP-MS-65W-0.01X-1 *	ICP-MS-65W-0.1X-1 *	ICP-MS-65W-1 *
U (Uranium)	2% HNO ₃	100 mL	ICP-MS-66N-0.01X-1	ICP-MS-66N-0.1X-1	
V (Vanadium)	2% HNO ₃	100 mL	ICP-MS-67N-0.01X-1	ICP-MS-67N-0.1X-1	ICP-MS-67N-1
Yb (Ytterbium) NEW	2% HNO ₃	100 mL	ICP-MS-68N-0.01X-1	ICP-MS-68N-0.1X-1	ICP-MS-68N-1
Y (Yttrium)	2% HNO ₃	100 mL	ICP-MS-69N-0.01X-1	ICP-MS-69N-0.1X-1	ICP-MS-69N-1
Zn (Zinc)	2% HNO ₃	100 mL	ICP-MS-70N-0.01X-1	ICP-MS-70N-0.1X-1	ICP-MS-70N-1
Zr (Zirconium) NEW	2% HNO ₃	100 mL	ICP-MS-71N-0.01X-1	ICP-MS-71N-0.1X-1	ICP-MS-71N-1

ICP/MS Single Element



Custom Standards

When you have a need for unique Analytical Standards, let the experts at AccuStandard assist in designing your formulation. Our technical group, with over 80 years of combined analytical experience, will review your request, suggest the most economical and stable formulation, and provide pricing all within 24 hours.

For a Quick Quote, copy the custom quote form in the back of catalog and fax it back. We will get right back to you.

Plus we typically ship within one week after order receipt.



CLP-BLH-5:5	ICP-13N-5:2	ICP-26H-25X-20ML:3	ICP-40H-10X-1:3	ICP-53N-10X-0.5:4
CLP-BLH-L-SET:5	ICP-14N-1:2	ICP-26H-5:3	ICP-40H-10X-20ML:3	ICP-53N-10X-1:4
CLP-BLMA-5:5	ICP-14N-10X-0.5:2	ICP-27N-1:3	ICP-40H-10X-5:3	ICP-53N-10X-20ML:4
CLP-BLMA-L-SET:5	ICP-14N-10X-1:2	ICP-27N-10X-0.5:3	ICP-40H-25X-20ML:3	ICP-53N-10X-5:4
CLP-BLN-5:5	ICP-14N-10X-20ML:2	ICP-27N-10X-1:3	ICP-40H-5:3	ICP-53N-25X-20ML:4
CLP-BLN-L-SET:5	ICP-14N-10X-5:2	ICP-27N-10X-20ML:3	ICP-41W-1:3	ICP-53N-5:4
CLP-BLW-5:5	ICP-14N-25X-20ML:2	ICP-27N-10X-5:3	ICP-41W-10X-0.5:3	ICP-54N-1:4
CLP-BLW-L-SET:5	ICP-14N-5:2	ICP-27N-25X-20ML:3	ICP-41W-10X-1:3	ICP-54N-10X-0.5:4
ICP-01N-1:1	ICP-15N-1:2	ICP-27N-5:3	ICP-41W-10X-20ML:3	ICP-54N-10X-1:4
ICP-01N-10X-0.5:1	ICP-15N-10X-0.5:2	ICP-28N-1:3	ICP-41W-10X-5:3	ICP-54N-10X-20ML:4
ICP-01N-10X-1:1	ICP-15N-10X-1:2	ICP-28N-10X-0.5:3	ICP-41W-5:3	ICP-54N-10X-5:4
ICP-01N-10X-20ML:1	ICP-15N-10X-20ML:2	ICP-28N-10X-1:3	ICP-42H-1:3	ICP-54N-25X-20ML:4
ICP-01N-10X-5:1	ICP-15N-10X-5:2	ICP-28N-10X-20ML:3	ICP-42H-10X-0.5:3	ICP-54N-5:4
ICP-01N-25X-20ML:1	ICP-15N-25X-20ML:2	ICP-28N-10X-5:3	ICP-42H-10X-1:3	ICP-55N-1:4
ICP-01N-5:1	ICP-15N-5:2	ICP-28N-25X-20ML:3	ICP-42H-10X-20ML:3	ICP-55N-10X-0.5:4
ICP-02N-1:1	ICP-16N-1:2	ICP-28N-5:3	ICP-42H-10X-5:3	ICP-55N-10X-1:4
ICP-02N-10X-0.5:1	ICP-16N-10X-0.5:2	ICP-29N-1:3	ICP-42H-25X-20ML:3	ICP-55N-10X-20ML:4
ICP-02N-10X-1:1	ICP-16N-10X-1:2	ICP-29N-10X-0.5:3	ICP-42H-5:3	ICP-55N-10X-5:4
ICP-02N-10X-20ML:1	ICP-16N-10X-20ML:2	ICP-29N-10X-1:3	ICP-43N-1:3	ICP-55N-25X-20ML:4
ICP-02N-10X-5:1	ICP-16N-10X-5:2	ICP-29N-10X-20ML:3	ICP-43N-10X-0.5:3	ICP-55N-5:4
ICP-02N-5:1	ICP-16N-25X-20ML:2	ICP-29N-10X-5:3	ICP-43N-10X-1:3	ICP-56W-1:4
ICP-03N-1:1	ICP-16N-5:2	ICP-29N-25X-20ML:3	ICP-43N-10X-20ML:3	ICP-56W-10X-0.5:4
ICP-03N-10X-0.5:1	ICP-17N-1:2	ICP-29N-5:3	ICP-43N-10X-5:3	ICP-56W-10X-1:4
ICP-03N-10X-1:1	ICP-17N-10X-0.5:2	ICP-30N-1:3	ICP-43N-25X-20ML:3	ICP-56W-10X-20ML:4
ICP-03N-10X-20ML:1	ICP-17N-10X-1:2	ICP-30N-10X-0.5:3	ICP-43N-5:3	ICP-56W-10X-5:4
ICP-03N-10X-5:1	ICP-17N-10X-20ML:2	ICP-30N-10X-1:3	ICP-44N-1:3	ICP-56W-25X-20ML:4
ICP-03N-25X-20ML:1	ICP-17N-10X-5:2	ICP-30N-10X-20ML:3	ICP-44N-10X-0.5:3	ICP-56W-5:4
ICP-03N-5:1	ICP-17N-25X-20ML:2	ICP-30N-10X-5:3	ICP-44N-10X-1:3	ICP-57W-1:4
ICP-04N-1:1	ICP-17N-5:2	ICP-30N-25X-20ML:3	ICP-44N-10X-20ML:3	ICP-57W-10X-0.5:4
ICP-04N-10X-0.5:1	ICP-18N-1:2	ICP-30N-5:3	ICP-44N-10X-5:3	ICP-57W-10X-1:4
ICP-04N-10X-1:1	ICP-18N-10X-0.5:2	ICP-31N-1:3	ICP-44N-25X-20ML:3	ICP-57W-10X-20ML:4
ICP-04N-10X-20ML:1	ICP-18N-10X-1:2	ICP-31N-10X-0.5:3	ICP-44N-5:3	ICP-57W-10X-5:4
ICP-04N-10X-5:1	ICP-18N-10X-20ML:2	ICP-31N-10X-1:3	ICP-45W-1:4	ICP-57W-25X-20ML:4
ICP-04N-25X-20ML:1	ICP-18N-10X-5:2	ICP-31N-10X-20ML:3	ICP-45W-10X-0.5:4	ICP-57W-5:4
ICP-04N-5:1	ICP-18N-25X-20ML:2	ICP-31N-10X-5:3	ICP-45W-10X-1:4	ICP-58H-1:4
ICP-05N-1:1	ICP-18N-5:2	ICP-31N-25X-20ML:3	ICP-45W-10X-20ML:4	ICP-58H-10X-0.5:4
ICP-05N-10X-0.5:1	ICP-19N-1:2	ICP-31N-5:3	ICP-45W-10X-5:4	ICP-58H-10X-1:4
ICP-05N-10X-1:1	ICP-19N-10X-0.5:2	ICP-32N-1:3	ICP-45W-25X-20ML:4	ICP-58H-10X-20ML:4
ICP-05N-10X-20ML:1	ICP-19N-10X-1:2	ICP-32N-10X-0.5:3	ICP-45W-5:4	ICP-58H-10X-5:4
ICP-05N-10X-5:1	ICP-19N-10X-20ML:2	ICP-32N-10X-1:3	ICP-46H-1:4	ICP-58H-5:4
ICP-05N-5:1	ICP-19N-10X-5:2	ICP-32N-10X-20ML:3	ICP-46H-10X-0.5:4	ICP-59N-1:4
ICP-06N-1:1	ICP-19N-25X-20ML:2	ICP-32N-10X-5:3	ICP-46H-10X-1:4	ICP-59N-10X-0.5:4
ICP-06N-10X-0.5:1	ICP-19N-5:2	ICP-32N-25X-20ML:3	ICP-46H-10X-20ML:4	ICP-59N-10X-1:4
ICP-06N-10X-1:1	ICP-20N-1:2	ICP-32N-5:3	ICP-46H-10X-5:4	ICP-59N-10X-20ML:4
ICP-06N-10X-20ML:1	ICP-20N-10X-0.5:2	ICP-33N-1:3	ICP-46H-25X-20ML:4	ICP-59N-10X-5:4
ICP-06N-10X-5:1	ICP-20N-10X-1:2	ICP-33N-10X-0.5:3	ICP-46H-5:4	ICP-59N-25X-20ML:4
ICP-06N-25X-20ML:1	ICP-20N-10X-20ML:2	ICP-33N-10X-1:3	ICP-47N-1:4	ICP-59N-5:4
ICP-06N-5:1	ICP-20N-10X-5:2	ICP-33N-10X-20ML:3	ICP-47N-10X-0.5:4	ICP-60N-1:4
ICP-07W-1:1	ICP-20N-5:2	ICP-33N-10X-5:3	ICP-47N-10X-1:4	ICP-60N-10X-0.5:4
ICP-07W-10X-0.5:1	ICP-21W-1:2	ICP-33N-25X-20ML:3	ICP-47N-10X-20ML:4	ICP-60N-10X-1:4
ICP-07W-10X-1:1	ICP-21W-10X-0.5:2	ICP-33N-5:3	ICP-47N-10X-5:4	ICP-60N-10X-20ML:4
ICP-07W-10X-20ML:1	ICP-21W-10X-1:2	ICP-34N-1:3	ICP-47N-25X-20ML:4	ICP-60N-10X-5:4
ICP-07W-10X-5:1	ICP-21W-10X-20ML:2	ICP-34N-10X-0.5:3	ICP-47N-5:4	ICP-60N-25X-20ML:4
ICP-07W-5:1	ICP-21W-10X-5:2	ICP-34N-10X-1:3	ICP-48H-1:4	ICP-60N-5:4
ICP-08N-1:2	ICP-21W-5:2	ICP-34N-10X-20ML:3	ICP-48H-10X-0.5:4	ICP-61N-1:4
ICP-08N-10X-0.5:2	ICP-22H-1:2	ICP-34N-10X-5:3	ICP-48H-10X-1:4	ICP-61N-5:4
ICP-08N-10X-1:2	ICP-22H-10X-0.5:2	ICP-34N-25X-20ML:3	ICP-48H-10X-20ML:4	ICP-62N-1:5
ICP-08N-10X-20ML:2	ICP-22H-10X-1:2	ICP-34N-5:3	ICP-48H-10X-5:4	ICP-62N-10X-0.5:5
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ICP-08N-25X-20ML:2	ICP-22H-10X-5:2	ICP-35W-10X-0.5:3	ICP-48H-5:4	ICP-62N-10X-20ML:5
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ICP-09N-1:2	ICP-22H-5:2	ICP-35W-10X-20ML:3	ICP-49N-10X-0.5:4	ICP-62N-25X-20ML:5
ICP-09N-10X-0.5:2	ICP-23N-1:2	ICP-35W-10X-5:3	ICP-49N-10X-1:4	ICP-62N-5:5
ICP-09N-10X-1:2	ICP-23N-10X-0.5:2	ICP-35W-25X-20ML:3	ICP-49N-10X-20ML:4	ICP-63N-1:5
ICP-09N-10X-20ML:2	ICP-23N-10X-1:2	ICP-35W-5:3	ICP-49N-10X-5:4	ICP-63N-10X-0.5:5
ICP-09N-10X-5:2	ICP-23N-10X-20ML:2	ICP-36N-1:3	ICP-49N-25X-20ML:4	ICP-63N-10X-1:5
ICP-09N-25X-20ML:2	ICP-23N-10X-5:2	ICP-36N-10X-0.5:3	ICP-49N-5:4	ICP-63N-10X-20ML:5
ICP-09N-5:2	ICP-23N-25X-20ML:2	ICP-36N-10X-1:3	ICP-50N-1:4	ICP-63N-10X-5:5
ICP-11N-1:2	ICP-23N-5:2	ICP-36N-10X-20ML:3	ICP-50N-10X-0.5:4	ICP-63N-25X-20ML:5
ICP-11N-10X-0.5:2	ICP-24N-1:2	ICP-36N-10X-5:3	ICP-50N-10X-1:4	ICP-63N-5:5
ICP-11N-10X-1:2	ICP-24N-10X-0.5:2	ICP-36N-25X-20ML:3	ICP-50N-10X-20ML:4	ICP-64W-1:5
ICP-11N-10X-20ML:2	ICP-24N-10X-1:2	ICP-36N-5:3	ICP-50N-10X-5:4	ICP-64W-10X-0.5:5
ICP-11N-10X-5:2	ICP-24N-10X-20ML:2	ICP-37N-1:3	ICP-50N-25X-20ML:4	ICP-64W-10X-1:5
ICP-11N-25X-20ML:2	ICP-24N-10X-5:2	ICP-37N-10X-0.5:3	ICP-50N-5:4	ICP-64W-10X-20ML:5
ICP-11N-5:2	ICP-24N-25X-20ML:2	ICP-37N-10X-1:3	ICP-51N-1:4	ICP-64W-10X-5:5
ICP-12N-1:2	ICP-24N-5:2	ICP-37N-10X-20ML:3	ICP-51N-10X-0.5:4	ICP-64W-5:5
ICP-12N-10X-0.5:2	ICP-25N-1:2	ICP-37N-10X-5:3	ICP-51N-10X-1:4	ICP-65W-1:5
ICP-12N-10X-1:2	ICP-25N-10X-0.5:2	ICP-37N-25X-20ML:3	ICP-51N-10X-20ML:4	ICP-65W-10X-0.5:5
ICP-12N-10X-20ML:2	ICP-25N-10X-1:2	ICP-37N-5:3	ICP-51N-10X-5:4	ICP-65W-10X-1:5
ICP-12N-10X-5:2	ICP-25N-10X-20ML:2	ICP-38W-1:3	ICP-51N-25X-20ML:4	ICP-65W-10X-20ML:5
ICP-12N-25X-20ML:2	ICP-25N-10X-5:2	ICP-38W-10X-0.5:3	ICP-51N-5:4	ICP-65W-10X-5:5
ICP-12N-5:2	ICP-25N-25X-20ML:2	ICP-38W-10X-1:3	ICP-52W-1:4	ICP-65W-5:5
ICP-13N-1:2	ICP-25N-5:2	ICP-38W-10X-20ML:3	ICP-52W-10X-0.5:4	ICP-66N-1:5
ICP-13N-10X-0.5:2	ICP-26H-1:3	ICP-38W-10X-5:3	ICP-52W-10X-1:4	ICP-66N-5:5
ICP-13N-10X-1:2	ICP-26H-10X-0.5:3	ICP-38W-25X-20ML:3	ICP-52W-10X-20ML:4	ICP-67N-1:5
ICP-13N-10X-20ML:2	ICP-26H-10X-1:3	ICP-38W-5:3	ICP-52W-10X-5:4	ICP-67N-10X-0.5:5
ICP-13N-10X-5:2	ICP-26H-10X-20ML:3	ICP-40H-1:3	ICP-52W-5:4	ICP-67N-10X-1:5
ICP-13N-25X-20ML:2	ICP-26H-10X-5:3	ICP-40H-10X-0.5:3	ICP-53N-1:4	ICP-67N-10X-20ML:5